

CLAIMS

1. A method for tokenless authorization of an electronic payment between a payor and a payee using an electronic third party identicator and at least one payor bid biometric sample, said method comprising the steps of:
 - a payor registration step, wherein the payor registers with an electronic third party identicator at least one registration biometric sample, and at least one payor financial account identifier;
 - a payee registration step, wherein the payee registers a payee identification data with the electronic third party identicator;
 - a payor biometric sample collection step, wherein at least one payor bid biometric sample is obtained from the payor's person;
 - at least one transmission step, wherein the payor bid biometric sample and bid payee identification data are electronically forwarded to the third-party electronic identicator;
 - a payor identification step, wherein the electronic third party identicator compares the payor bid biometric sample with at least one registered biometric sample for producing either a successful or failed identification of the payor;
 - a payee identification step, wherein the electronic third party identicator compares the payee's bid identification data with registered payee identification data for producing either a successful or failed identification of the payee;
 - an identification response step, wherein upon successful identification of the payor and payee, the electronic third-party identicator electronically forwards at least one payor financial account identifier to the payee;
 - a transaction execution step, wherein an electronic financial transaction is formed between the payor and the payee, comprising a transaction amount and a payor financial account identifier, and the financial transaction is electronically forwarded to a financial transaction processor for authorization;
 - wherein upon successful identification of the payor and payee and authorization of the financial transaction by the financial transaction processor, a

biometric-based authorization of an electronic payment is given to transfer funds from the payor's financial account to a payee's financial account.

2. The method of claim 1, wherein the electronic forwarding of at least one payor financial account identifier to the payee comprises the electronic forwarding of at least one payor financial account identifier to payee point of sale equipment.

3. The method of claim 1, wherein the electronic forwarding of at least one payor financial account identifier to the payee comprises the electronic forwarding of at least one payor financial account identifier to payee party identification apparatus.

4. The method of claim 1, further comprising selecting by the payor the type of financial account to be debited.

5. The method of claim 4, wherein the type of financial account is selected from a list comprising: credit, debit, stored value.

6. The method of claim 1 wherein the transaction execution step further comprises an intermediate forwarding step, wherein the financial transaction is forwarded to intermediate point-of-sale equipment before being forwarded to the financial transaction processor for execution.

7. The method of claim 1 further comprising an approval step wherein the transaction amount is displayed to the payor, and the payor indicates acceptance of the transaction before the transaction is forwarded to the financial transaction processor.

8. The method of claim 1 wherein the payee identification data

comprises any one of the following: a payee hardware ID code, a payee telephone number, a payee email address, a payee digital certificate code, a payee account index, a payee financial account number, a payee biometric, and a payee biometric and PIN combination.

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9. The method of claim 1 wherein the payor registration step further comprises registering a non-unique payor personal identification number with the electronic third party identicator, which is used by the electronic third party identicator to assist in identification of the payor.

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10. The method of claim 1 further comprising a payor account selection step, wherein after the payor has been successfully identified in the payor identification step and at least one payor financial account identifier has been forwarded to the payee in the identification response step, the payor selects one of the financial accounts for debiting.

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11. The method of claim 1 further comprising a transaction payment step, wherein the transaction amount is debited from a payor's financial account.

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12. The method of claim 11, wherein the transaction amount is credited to the payee's financial account.

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13. The method of claim 1 further comprising a payor re-registration step, wherein the user's registration biometric samples are compared against previously designated biometric samples wherein if a match occurs, the electronic third-party identicator is alerted to the fact that the payor has re-registered.

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14. The method of claim 1 wherein the biometric sample comprises of one of the following: a fingerprint, a facial scan, a retinal image, an iris scan, and a voice print.

15. The method of claim 9 further comprising a biometric theft resolution step, wherein the payor's personal identification number is changed whenever the payor's biometric sample is determined to have been fraudulently duplicated.

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16. A tokenless electronic payment authorization device for transferring funds from a payor financial account to a payee financial account, said device comprising:

10 a computer data processing center further comprising one or more data bases wherein the payor registers a registration biometric sample associated with at least one payor financial account identifier and the payee registers a payee identification data;

a party identification apparatus (PIA) having a biometric sensor for input of a biometric sample;

15 communication lines for transmission of a registration and bid biometric sample obtained by the party identification apparatus from the payor's person to the data processing center; and

a comparator engine for comparing a bid biometric sample to at least one registration biometric sample, and comparing a bid payee identification data with at least one registration payee identification data;

20 the system being arranged so that the biometric sample is sent together with payee identification data to the comparator engine and a message containing the payor's financial account identifier(s) is sent to the PIA if the bid and registration payee data match and if the bid and registration payor biometric samples match.

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17. The authorization device of claim 16, wherein no man-made memory device such as a credit/debit card, smartcard or a paper check is used by the payor to conduct the financial transaction.

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18. The authorization device of claim 16 wherein the payee identification data comprises any one of the following: a payee hardware ID code, a payee telephone number, a payee email address, a payee digital certificate code, a payee account index, a payee financial account number, a payee biometric, and a payee biometric and PIN combination.

19. The authorization device of claim 16 wherein the payor registration biometric sample is associated with a PIN, the PIN used by the authorization device for identification the payor.

20. The authorization device of claim 16, including means coupled to the party identification apparatus for receiving the message and transmitting the payor financial account identifier and a transaction amount to a financial transaction processor to authorize a payment from the payor's financial account to the payee.

21. The authorization device of claim 16 further comprising an account selector module, wherein after the payor has been successfully identified, the authorization device presents at least one financial account which was registered by the payor with the authorization device for selection of one of the financial accounts by the payor for debiting.

22. The authorization device of claim 16 including an execution module which debits the transaction amount from a payor's selected financial account.

23. The authorization device of claim 22, wherein the execution module credits the transaction amount to the payee's financial account.

24. The authorization device of claim 16 further comprising a transaction processor wherein the payor registers a private code with the authorization device, which is distinct from a personal identification number and

not used to identify the payor, wherein the private code is displayed to the payor to validate that the authentic authorization device has processed the financial transaction.

- 5 25. The authorization device of claim 16 wherein a subset of the payor registration biometric samples are stored in a payor re-registration database to which the comparator engine compares a payor's registration biometric samples and if a match occurs, alerts the authorization system to the fact that the payor has re-registered with the tokenless payment authorization system.

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